BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		28/2/2018							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.01		Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry , cement concrete,wood work,steel work, including T& P and scaffolding wherever necessary , sorting the dismantled material,disposal of unserviceable marerial and stacking the serviceable material with all lifts complete as per specificationsii)Dismantling brick / tile work in cement mortar and as per the directions of the Engineer-in-charge of the work.							
			cum	2	3.60	0.23	3.00	4.97	
			cum	2	6.50	0.23	3.00	8.97	
							Total	**13.94**	

Assistant Executive Engineer
Contractor's Representative
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer
Project Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		28/2/2018							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.02		Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above and as per the directions of the Engineer-in-charge of the work.							
		Slab							
			cum	4	0.20	0.45	3.00	1.08	
			cum	1	3.60	6.5	0.15	3.51	
							Total	4.59	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		8/3/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 03		Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm,, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials to be used or auctioned,s including removal and disposal of top organic soil not exceeding 150 mm in thickness as per specifications. I. By Manual l Means, A, In area of light jungle and as per the directions of the Engineer-in-charge of the work.							
			Ha	1	18.50	16.00		296.00	sq mt
							Total	**0.030**	

Contractor's Representative

Assistant Executive Engineer
Rajarajeshwarinagar Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		9/3/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.04		Compaction of original ground with maximum of 6 passes of 8 to 10 tones power roller including filing in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work.							
		Ventilator	cum	1	18.50	16.00	0.30	88.80	
							Total	88.80	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor's Representative

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		9/3/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 05		Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications and as per the direction of the Engineer-in-charge.							
			cum	1	18.50	15.00	0.30	83.25	
							Total	83.25	

Contractor's Representative

Assistant Executive Engineer
Padmanabhanagara Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

9/3/2018

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		12/3/18 to 27/3/18							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.06		Earthwork excavation by manual means for foundation of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Footing							
		F1							
		Grid A-2	cum	1	2.30	2.00	1.50	6.90	
		Grid A-3	cum	1	2.30	2.00	1.50	6.90	
		Grid A-4	cum	1	2.30	2.00	1.50	6.90	
		Grid B-1	cum	1	2.30	2.00	1.50	6.90	
		Grid B-5	cum	1	2.30	2.00	1.50	6.90	
		Grid C-1	cum	1	2.30	2.00	1.50	6.90	
		Grid C-5	cum	1	2.30	2.00	1.50	6.90	
		Grid D-2	cum	1	2.30	2.00	1.50	6.90	
		Grid D-3	cum	1	2.30	2.00	1.50	6.90	
		Grid D-4	cum	1	2.30	2.00	1.50	6.90	
		F2							
		Grid A-1	cum	1	2.00	1.70	1.80	6.12	
		Grid A-5	cum	1	2.00	1.70	1.80	6.12	
		Grid A-6	cum	1	2.00	1.70	1.80	6.12	
		Grid B-6	cum	1	2.00	1.70	1.80	6.12	
		Grid C-6	cum	1	2.00	1.70	1.80	6.12	
		Grid D-1	cum	1	2.00	1.70	1.80	6.12	
		Grid D-5	cum	1	2.00	1.70	1.80	6.12	
		Grid D-6	cum	1	2.00	1.70	1.80	6.12	
		F3							
		Grid E-1	cum	1	1.40	1.40	1.50	2.94	
		Grid E-3	cum	1	1.40	1.40	1.50	2.94	
		Grid E-5	cum	1	1.40	1.40	1.50	2.94	
		External Wall							
		Along Grid A, between Grid 1 and 2	cum	1	1.18	0.90	1.20	1.27	
		Along Grid A, between Grid 2 and 3	cum	1	1.28	0.90	1.20	1.38	
		Along Grid A, between Grid 3 and 4	cum	1	1.28	0.90	1.20	1.38	
		Along Grid A, between grid 4 and 5	cum	1	1.28	0.90	1.20	1.38	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		12/07/18 to 27/03/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Along Grid A, between grid 5 and 6	cum	1	1.35	0.90	1.20	1.46	
		Along Grid 6, between grid A and B	cum	1	1.85	0.90	1.20	2.00	
		Along Grid 6, between grid B and C	cum	1	1.88	0.90	1.20	2.03	
		Along Grid 6, between grid C and D	cum	1	1.85	0.90	1.20	2.00	
		Dlong Grid D, between Grid 1 Dnd 2	cum	1	1.18	0.90	1.20	1.27	
		Dlong Grid D, between Grid 2 Dnd 3	cum	1	1.28	0.90	1.20	1.38	
		Dlong Grid D, between Grid 3 Dnd 4	cum	1	1.28	0.90	1.20	1.38	
		Dlong Grid D, between grid 4 Dnd 5	cum	1	1.43	0.90	1.20	1.54	
		Dlong Grid D, between grid 4 Dnd 5	cum	1	1.50	0.90	1.20	1.62	
		Along Grid 1, between grid A and B	cum	1	1.85	0.90	1.20	2.00	
		Along Grid 1, between grid B and C	cum	1	1.90	0.90	1.20	2.05	
		Along Grid 1, between grid C and D	cum	1	1.83	0.90	1.20	1.97	
		Along Grid 1, between grid D and E	cum	1	0.83	0.90	1.20	0.89	
		Internal Wall							
		Along Grid 5, between grid A and B	cum	1	2.00	0.90	1.20	2.16	
		Along Grid 5, between grid C and D	cum	1	1.90	0.90	1.20	2.05	
		Along Grid 5, between grid C and D	cum	1	1.83	0.90	1.20	1.97	
		Office Wall	cum	1	3.00	0.90	1.20	3.24	
		Toilet Wall	cum	1	3.00	0.60	1.20	2.16	
		front coloum footing	cum	2	1.00	1.00	1.20	2.40	
		front coloum partico	Cum	1	1.00	1.00	1.20	1.20	
							Total	**168.96**	

Assistant Executive Engineer
Contractor's
Yelahanka Sub-Division
Representative
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On 2/4/18

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.07		Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Footing							
		F1							
		Grid A-2	cum	1	2.30	2.00	0.10	0.46	
		Grid A-3	cum	1	2.30	2.00	0.10	0.46	
		Grid A-4	cum	1	2.30	2.00	0.10	0.46	
		Grid B-1	cum	1	2.30	2.00	0.10	0.46	
		Grid B-5	cum	1	2.30	2.00	0.10	0.46	
		Grid C-1	cum	1	2.30	2.00	0.10	0.46	
		Grid C-5	cum	1	2.30	2.00	0.10	0.46	
		Grid D-2	cum	1	2.30	2.00	0.10	0.46	
		Grid D-3	cum	1	2.30	2.00	0.10	0.46	
		Grid D-4	cum	1	2.30	2.00	0.10	0.46	
		F2							
		Grid A-1	cum	1	2.00	1.70	0.10	0.34	
		Grid A-5	cum	1	2.00	1.70	0.10	0.34	
		Grid A-6	cum	1	2.00	1.70	0.10	0.34	
		Grid B-6	cum	1	2.00	1.70	0.10	0.34	
		Grid C-6	cum	1	2.00	1.70	0.10	0.34	
		Grid D-1	cum	1	2.00	1.70	0.10	0.34	
		Grid D-5	cum	1	2.00	1.70	0.10	0.34	
		Grid D-6	cum	1	2.00	1.70	0.10	0.34	
		F3							
		Grid E-1	cum	1	1.40	1.40	0.10	0.20	
		Grid E-3	cum	1	1.40	1.40	0.10	0.20	
		Grid E-5	cum	1	1.40	1.40	0.10	0.20	
		External Wall							
		Long wall	cum	2	16.25	0.60	0.15	2.93	
		Short wall	cum	2	11.80	0.60	0.10	1.42	
		Stair-Case Wall	cum	1	2.20	0.60	0.10	0.13	
		Internal Wall							
		Short wall	cum	1	11.80	0.60	0.15	1.06	
		Office Wall	cum	1	3.00	0.60	0.15	0.27	
		Toilet Wall	cum	1	3.00	0.45	0.15	0.20	
							Total	**13.93**	
							LIMITED	**13.05**	

Assistant Executive Engineer
Contractor's
Representative
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On 24/04/18

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.08		Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, Pedastals, retaining walls, return walls (any thickness) including attached pilasters, columns, pillars, posts, struts, bed blocks, anchor blocks and Plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Footing							
		F1							
		Grid A-2	cum	1	2.10	1.80	0.60	2.27	
		Grid A-3	cum	1	2.10	1.80	0.60	2.27	
		Grid A-4	cum	1	2.10	1.80	0.60	2.27	
		Grid B-1	cum	1	2.10	1.80	0.60	2.27	
		Grid B-5	cum	1	2.10	1.80	0.60	2.27	
		Grid C-1	cum	1	2.10	1.80	0.60	2.27	
		Grid C-5	cum	1	2.10	1.80	0.60	2.27	
		Grid D-2	cum	1	2.10	1.80	0.60	2.27	
		Grid D-3	cum	1	2.10	1.80	0.60	2.27	
		Grid D-4	cum	1	2.10	1.80	0.60	2.27	
		F2							
		Grid A-1	cum	1	1.80	1.50	0.60	1.62	
		Grid A-5	cum	1	1.80	1.50	0.60	1.62	
		Grid A-6	cum	1	1.80	1.50	0.60	1.62	
		Grid B-6	cum	1	1.80	1.50	0.60	1.62	
		Grid C-6	cum	1	1.80	1.50	0.60	1.62	
		Grid D-1	cum	1	1.80	1.50	0.60	1.62	
		Grid D-5	cum	1	1.80	1.50	0.60	1.62	
		Grid D-6	cum	1	1.80	1.50	0.60	1.62	
		F3							
		Grid E-1	cum	1	1.20	1.20	0.50	0.72	
		Grid E-3	cum	1	1.20	1.20	0.50	0.72	
							Total	**37.10**	
							LIMITED	**36.27**	

Contractor's Representative

Assistant Executive Engineer
Rajarajeshwarinagara Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.09		Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Excavated earth quantity	cum					**168.96**	
		Footing	cum					-37.10	
		Columns upto ground level	cum	10	0.30	0.45	0.90	-1.22	
			cum	11	0.20	0.45	0.90	-0.89	
		S.S.M.Masonry in foundation	cum					-19.78	
							Total	**109.97**	
							LIMITED	**108.00**	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On									
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.10		Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification and as per the directions of the Engineer-in-charge of the work.							
		External Wall							
		Long wall	cum	2	16.25	0.45	0.60	8.78	
		Short wall	cum	2	11.80	0.45	0.60	6.37	
		Stair-Case Wall	cum	1	2.20	0.60	0.60	0.79	
		Internal Wall							
		Short wall	cum	1	11.80	0.45	0.60	3.19	
		Office Wall	cum	1	3.00	0.45	0.60	0.81	
		Toilet Wall	cum	1	3.00	0.45	0.60	0.81	
		Deduction							
		Columns	cum	10	0.30	0.45	0.45	-0.61	
		Columns	cum	10	0.20	0.45	0.40	-0.36	
							Total	**19.78**	

Assistant Executive Engineer
Mahadevapura Sub-Division
BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On 4/5/18 to 17/5/18

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.11		Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work.							
		Column Upto Ground Level							
		F1							
		Grid A-2	cum	1	0.30	0.45	0.90	0.12	
		Grid A-3	cum	1	0.30	0.45	0.90	0.12	
		Grid A-4	cum	1	0.30	0.45	0.90	0.12	
		Grid B-1	cum	1	0.30	0.45	0.90	0.12	
		Grid B-5	cum	1	0.30	0.45	0.90	0.12	
		Grid C-1	cum	1	0.30	0.45	0.90	0.12	
		Grid C-5	cum	1	0.30	0.45	0.90	0.12	
		Grid D-2	cum	1	0.30	0.45	0.90	0.12	
		Grid D-3	cum	1	0.30	0.45	0.90	0.12	
		Grid D-4	cum	1	0.30	0.45	0.90	0.12	
		F2							
		Grid A-1	cum	1	0.20	0.45	0.90	0.08	
		Grid A-5	cum	1	0.20	0.45	0.90	0.08	
		Grid A-6	cum	1	0.20	0.45	0.90	0.08	
		Grid B-6	cum	1	0.20	0.45	0.90	0.08	
		Grid C-6	cum	1	0.20	0.45	0.90	0.08	
		Grid D-1	cum	1	0.20	0.45	0.90	0.08	
		Grid D-5	cum	1	0.20	0.45	0.90	0.08	
		Grid D-6	cum	1	0.20	0.45	0.90	0.08	
		F3							
		Grid E-1	cum	1	0.20	0.45	0.90	0.08	
		Grid E-3	cum	1	0.20	0.45	0.90	0.08	
		Grid E-5	cum	1	0.20	0.45	0.90	0.08	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		04/05/18 to 07/05/18							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Column Above Ground Level							
		F1							
		Grid A-2	cum	1	0.30	0.45	4.40	0.59	
		Grid A-3	cum	1	0.30	0.45	4.40	0.59	
		Grid A-4	cum	1	0.30	0.45	4.40	0.59	
		Grid B-1	cum	1	0.30	0.45	4.40	0.59	
		Grid B-5	cum	1	0.30	0.45	4.40	0.59	
		Grid C-1	cum	1	0.30	0.45	4.40	0.59	
		Grid C-5	cum	1	0.30	0.45	4.40	0.59	
		Grid D-2	cum	1	0.30	0.45	4.40	0.59	
		Grid D-3	cum	1	0.30	0.45	4.40	0.59	
		Grid D-4	cum	1	0.30	0.45	4.40	0.59	
		F2							
		Grid A-1	cum	1	0.20	0.45	4.40	0.40	
		Grid A-5	cum	1	0.20	0.45	4.40	0.40	
		Grid A-6	cum	1	0.20	0.45	4.40	0.40	
		Grid B-6	cum	1	0.20	0.45	4.40	0.40	
		Grid C-6	cum	1	0.20	0.45	4.40	0.40	
		Grid D-1	cum	1	0.20	0.45	4.40	0.40	
		Grid D-5	cum	1	0.20	0.45	4.40	0.40	
		Grid D-6	cum	1	0.20	0.45	4.40	0.40	
		F3							
		Grid E-1	cum	1	0.20	0.45	4.40	0.40	
		Grid E-3	cum	1	0.20	0.45	4.40	0.40	
		Grid E-5	cum	1	0.20	0.45	4.40	0.40	

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		10/05/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Plinth Beam							
		Along Grid A, between Grid 1 and 2	cum	1	2.78	0.20	0.400	0.22	
		Along Grid A, between Grid 2 and 3	cum	1	2.98	0.20	0.400	0.24	
		Along Grid A, between Grid 3 and 4	cum	1	2.98	0.20	0.400	0.24	
		Along Grid A, between grid 4 and 5	cum	1	2.90	0.20	0.400	0.23	
		Along Grid A, between grid 5 and 6	cum	1	2.88	0.20	0.400	0.23	
		Along Grid 6, between grid A and B	cum	1	3.40	0.20	0.400	0.27	
		Along Grid 6, between grid C and D	cum	1	3.45	0.20	0.400	0.28	
		Along Grid 6, between grid C and D	cum	1	3.40	0.20	0.400	0.27	
		Along Grid D, between Grid 1 and 2	cum	1	2.78	0.20	0.400	0.22	
		Along Grid D, between Grid 2 and 3	cum	1	2.98	0.20	0.400	0.24	
		Along Grid D, between Grid 3 and 4	cum	1	2.98	0.20	0.400	0.24	
		Along Grid D, between grid 4 and 5	cum	1	3.03	0.20	0.400	0.24	
		Along Grid D, between grid 5 and 6	cum	1	3.00	0.20	0.400	0.24	
		Along Grid 1, between grid A and B	cum	1	3.48	0.20	0.400	0.28	
		Along Grid 1, between grid C and D	cum	1	3.60	0.20	0.400	0.29	
		Along Grid 1, between grid C and D	cum	1	3.48	0.20	0.400	0.28	
		Along Grid 1, between grid D and E	cum	1	1.88	0.20	0.400	0.15	
		Along Grid 3, between grid D and E	cum	1	1.88	0.20	0.400	0.15	
		Along Grid E, between grid 1 and 3	cum	1	5.85	0.20	0.400	0.47	

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On 24/05/18 to 4/06/18

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Roof Beam							
		Along Grid A	cum	1	14.50	0.20	0.30	0.87	
		Along Grid B and C	cum	2	15.15	0.30	0.30	2.73	
		Along Grid D	cum	1	14.75	0.20	0.30	0.89	
		Along Grid E	cum	1	6.23	0.20	0.30	0.37	
		Along Grid 1	cum	1	10.30	0.20	0.30	0.62	
		Along Grid 2	cum	1	10.30	0.30	0.30	0.93	
		Along Grid 3	cum	1	12.90	0.30	0.30	1.16	
		Along Grid 4	cum	1	10.80	0.30	0.30	0.97	
		Along Grid 5	cum	1	12.05	0.20	0.30	0.72	
		Along Grid 6	cum	1	10.00	0.20	0.30	0.60	
		Roof Slab	cum	1	16.25	11.80	0.15	28.76	
		Portica	cum	1	6.75	2.30	0.15	2.33	
		Chajja	cum	8	2.10	0.40	0.08	0.50	
		Lintel							
		W	cum	8	2.10	0.20	0.20	0.67	
		MD	cum	1	2.90	0.20	0.20	0.12	
		D1	cum	3	1.20	0.20	0.20	0.14	
		F3							
		Grid E-5	cum	1	1.40	1.40	0.50	0.98	
		Waist slab	Cum	1	8.05	1.24	0.18	1.75	
		Landing	Cum	1	2.20	1.22	0.18	0.47	
		Rise and threads	Cum	23	0.02	1.24		0.63	
					triangular area				
		front coloum footing	cum	2	1.00	1.00	0.45	0.90	
		front coloum	Cum	2	0.30	0.25	3.50	0.53	
		front coloum below portica footi	cum	1	1.00	1.00	0.45	0.45	
		Steps below portico	cum	2	5.00	0.40	0.20	0.80	
		front coloum	Cum	1	0.30	0.25	3.50	0.26	
							Total	**66.33**	
Item No.12		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificationand as per the directions of the Engineer-in-charge of the work .							
		Footing							

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		19/4/18 to 23/04/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
1200		**F1**							
		Grid A-2	Sqm	1	7.80		0.50	3.90	
		Grid A-3	Sqm	1	7.80		0.50	3.90	
		Grid A-4	Sqm	1	7.80		0.50	3.90	
		Grid B-1	Sqm	1	7.80		0.50	3.90	
		Grid B-5	Sqm	1	7.80		0.50	3.90	
		Grid C-1	Sqm	1	7.80		0.50	3.90	
		Grid C-5	Sqm	1	7.80		0.50	3.90	
		Grid D-2	Sqm	1	7.80		0.50	3.90	
		Grid D-3	Sqm	1	7.80		0.50	3.90	
		Grid D-4	Sqm	1	7.80		0.50	3.90	
		F2							
		Grid A-1	Sqm	1	6.60		0.50	3.30	
		Grid A-5	Sqm	1	6.60		0.50	3.30	
		Grid A-6	Sqm	1	6.60		0.50	3.30	
		Grid B-6	Sqm	1	6.60		0.50	3.30	
		Grid C-6	Sqm	1	6.60		0.50	3.30	
		Grid D-1	Sqm	1	6.60		0.50	3.30	
		Grid D-5	Sqm	1	6.60		0.50	3.30	
		Grid D-6	Sqm	1	6.60		0.50	3.30	
		F3							
		Grid E-1	Sqm	1	4.80		0.50	2.40	
		Grid E-3	Sqm	1	4.80		0.50	2.40	
		Grid E-5	Sqm	1	4.80		0.50	2.40	
		stiar							
		Waist slab bottom	Sqm	2	4.03	1.24		9.98	
		Waist slab side faces	Sqm	2	4.03		0.33	2.62	
			Sqm	2	4.03		0.33	2.62	
		Landing	Sqm	1	2.20	1.22		2.68	
		Landing Sides		1	4.64		0.175	0.81	
		Risers	Sqm	24		1.22	0.15	4.39	
							Total	**95.70**	
							LIMITED	**82.80**	

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		3/5/18 & 09/05/19							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.13		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Plinth Beam							
		Along Grid A, between Grid 1 and 2	Sqm	2	2.78		0.375	2.08	
		Along Grid A, between Grid 2 and 3	Sqm	2	2.98		0.375	2.23	
		Along Grid A, between Grid 3 and 4	Sqm	2	2.98		0.375	2.23	
		Along Grid A, between grid 4 and 5	Sqm	2	2.90		0.375	2.18	
		Along Grid A, between grid 5 and 6	Sqm	2	2.88		0.375	2.16	
		Along Grid 6, between grid A and B	Sqm	2	3.40		0.375	2.55	
		Along Grid 6, between grid C and D	Sqm	2	3.45		0.375	2.59	
		Along Grid 6, between grid C and D	Sqm	2	3.40		0.375	2.55	
		Along Grid A, between Grid 1 and 2	Sqm	2	2.78		0.375	2.08	
		Along Grid A, between Grid 2 and 3	Sqm	2	2.98		0.375	2.23	
		Along Grid A, between Grid 3 and 4	Sqm	2	2.98		0.375	2.23	
		Along Grid A, between grid 4 and 5	Sqm	2	3.03		0.375	2.27	
		Along Grid A, between grid 5 and 6	Sqm	2	3.00		0.375	2.25	
		Along Grid 1, between grid A and B	Sqm	2	3.48		0.375	2.61	
		Along Grid 1, between grid C and D	Sqm	2	3.60		0.375	2.70	
		Along Grid 1, between grid C and D	Sqm	2	3.48		0.375	2.61	
		Along Grid 1, between grid D and E	Sqm	2	1.88		0.375	1.41	
		Along Grid 3, between grid D and E	Sqm	2	1.88		0.375	1.41	
		Along Grid E, between grid 1 and 3	Sqm	2	5.85		0.375	4.39	
							Total	**44.76**	
							LIMITED	**44.70**	

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BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		03/07/12 to 10/05/12							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.14		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Columns							
		Upto Ground Level	Sqm	10	1.50		0.90	13.50	
			Sqm	11	1.30		0.90	12.87	
		Above Ground Level	Sqm	10	1.50		4.50	67.50	
			Sqm	11	1.30		4.50	64.35	
							Total	**158.22**	
						LIMITED		**154.84**	

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BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		19/05/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.15		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Roof Slab							
			Sqm	1	16.25	11.80		191.75	
			Sqm	1	6.75	2.30		15.53	
							Total	**207.28**	
							LIMITED	**168.00**	

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